STATE OF MISSOURI
Jeremiah W. (Jay) Nixon, Governor Sara Parker Pauley, Director
DEPARTMENT OF NATURAL RESOURCES
dnr.mo.gov

November 1, 2013

Mr. Justin Adams, Natural Resources Manager
MDNR Stockton State Park
19100 S. Hwy 215
Dadeville, MO 65635

Dear Permittee:

Pursuant to the Federal Water Pollution Control Act, under the authority granted to the State of Missouri and in compliance with the Missouri Clean Water Law, we have issued and are enclosing your State Operating Permit to discharge from MDNR Stockton State Park WWTF, Cedar County, Missouri.

Please read your permit and enclosed Standard Conditions. They contain important information on monitoring requirements, effluent limitations, sampling frequencies and reporting requirements.

Monitoring reports required by the special conditions must be submitted on a periodic basis. The required forms are enclosed. Please make copies for your use. Completed forms should be mailed to this office.

This permit is both your Federal NPDES Permit and your new Missouri State Operating Permit and replaces all previous State Operating Permits issued for this facility under this permit number. In all future correspondence regarding this facility, please refer to your State Operating Permit number and facility name as shown on page one of the permit.

Please be aware that nothing in this permit relieves the permittee of any other legal obligations or restrictions, such as other federal or state laws, court orders, or county or other local ordinances or restrictions.

If you were adversely affected by this decision, you may be entitled to an appeal before the administrative hearing commission (AHC) pursuant to 10 CSR 20-1.020 and Section 621.250, RSMo. To appeal, you must file a petition with the AHC within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission. Any appeal shall be directed to: Administrative Hearing Commission, Truman Building, Room 640, 301 W. High Street, P.O. Box 1557, Jefferson City, MO 65102, Phone: 573-751-2422, Fax: 573-751-5018, website: www.oa.mo.gov/ahc.

If you have questions concerning this permit please contact Mr. Sieu T. Dang of my staff by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Cynthia S. Davies
Regional Director

CSD/sdk

Enclosures

c: Mr. Martin Kator, Division of State Parks

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.	MO-0135933
Owner:	MDNR Stockton State Park
Address:	19100 S. Hwy 215, Dadeville, MO 65635
Continuing Authority:	Same as Above
Address:	Same as Above
Facility Name:	MDNR Stockton State Park WWTF
Facility Address:	19100 S. Hwy 215, Dadeville MO 65635
Legal Description:	NE¼, NW¼, NE¼, Sec. 14, T33N, R26W, Cedar County
UTM (X/Y):	433908 / 4162155
Receiving Stream:	Tributary to Stockton Lake (U) (Losing)
First Classified Stream and ID:	Stockton Lake (L2) (07235)
USGS Basin & Sub-watershed No.:	(10290106-0702)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 – State Park / Sewerage Works - SIC #7999 / 4952
The use or operation of this facility shall be by or under the supervision of a Certified "C" Operator

Recirculating Sand Filter / Ultraviolet Disinfection / Sludge is land applied / Subsurface Disposal

Design organic population equivalent is 210
Design flow is 0.006300 MGD
Design sludge production is 0.812 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

November 1, 2013
Effective Date

Sara Parker Pauley, Director, Department of Natural Resources

October 31, 2018
Expiration Date

Cynthia S. Davies, Regional Director, Southwest Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)	PAGE NUMBER 2 of 4
	PERMIT NUMBER MO-0135933

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001						
Flow	MGD	*		*	once/month**	24 hr. estimate
Biochemical Oxygen Demand$_5$	mg/L		15	10	once/month**	grab
Total Suspended Solids	mg/L		20	15	once/month**	grab
pH – Units	SU	***		***	once/month**	grab
E. coli (Note 1)	#/100 ml	126		126	once/month**	grab
Nitrate as Nitrogen	mg/L	*		*	once/month**	grab
Ammonia as Nitrogen	mg/L				once/month**	grab
(October 1 – March 31)		7.5		2.9		
(April 1 – September 30)		3.4		1.3		
Oil & Grease	mg/L	15		10	once/month**	grab

MONITORING REPORTS SHALL BE SUBMITTED **MONTHLY**; THE FIRST REPORT IS DUE **DECEMBER 28, 2013**. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Parts I, II, & III STANDARD CONDITIONS DATED October 1, 1980 and August 15, 1994, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

** Reports shall be submitted by the 28th day of the month following the reporting period, e.g. Reporting period is the month of March (samples collected each weekday, daily, weekly, monthly, etc.), report due by April 28th.

*** pH is measured in pH units and is not to be averaged. The pH for all facilities except lagoons is limited to the range of 6.5-9.0 pH units.

Note 1 – Final effluent limits of 126 cfu per 100 ml daily maximum and monthly average applicable year round due to losing stream designation.

C. INFLUENT MONITORING REQUIREMENTS

The facility is required to meet a removal efficiency of **85%** or more. The monitoring requirements shall become effective upon issuance and remain in effect until expiration of the permit. To determine removal efficiencies, the influent wastewater shall be monitored by the permittee as specified below:

SAMPLING LOCATION AND PARAMETER(S)	UNITS	MONITORING REQUIREMENTS	
		MEASUREMENT FREQUENCY	SAMPLE TYPE
Influent			
Biochemical Oxygen Demand$_5$	mg/L	once / month**	grab
Total Suspended Solids	mg/L	once /month**	grab
MONITORING REPORTS SHALL BE SUBMITTED **MONTHLY**; THE FIRST REPORT IS DUE **December 28, 2013**.			

** Reports shall be submitted by the 28th day of the month following the reporting period, e.g. Reporting period is the month of March (samples collected monthly), report due by April 28th.

D. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:

   (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

      (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

      (2) controls any pollutant not limited in the permit.

   (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.

   (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

   The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.

3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

4. Changes in Discharges of Toxic Substances

   The permittee shall notify the Director as soon as it knows or has reason to believe:

   (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

      (1) One hundred micrograms per liter (100 µg/L);

      (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

D. SPECIAL CONDITIONS (continued)

(3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;

(4) The level established in Part A of the permit by the Director.

(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

5. Report as no-discharge when a discharge does not occur during the report period.

6. Water Quality Standards

(a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.

(b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:

(1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;

(2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;

(3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;

(4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;

(5) There shall be no significant human health hazard from incidental contact with the water;

(6) There shall be no acute toxicity to livestock or wildlife watering;

(7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;

(8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

7. The permittee shall develop and implement a program for maintenance and repair of the collection system. The permittee shall submit a report on **January 28** each year to the Southwest Regional Office which address measures taken to locate and eliminate sources of infiltration and inflow into the collection system serving the facility.

8. The permittee shall comply with any applicable requirements listed in 10 CSR 20-8 and 10 CSR 20-9. The monitoring frequencies contained in this permit shall not be construed by the permittee as a modification of the monitoring frequencies listed in 10 CSR 20-9. If a modification of the monitoring frequencies listed in 10 CSR 20-9 is needed, the permittee shall submit a written request to the department for review and, if deemed necessary, approval.

9. Bypasses are not authorized at this facility and are subject to 40 CFR 122.41(m). If a bypass occurs, the permittee shall report in accordance to 40 CFR 122.41(m)(3)(i), and with Standard Condition Part I, Section B, subsection 2.b.

Missouri Department of Natural Resources
Statement of Basis
Stockton State Park WWTF
MSOP #: MO-0135933
Cedar County

A Statement of Basis (Statement) gives pertinent information regarding the applicable regulations and rationale for the development of the NPDES Missouri State Operating Permit (operating permit). This Statement includes Wasteload Allocations, Water Quality Based Effluent Limitations, and Reasonable Potential Analysis calculations as well as any other calculations that effect the effluent limitations of this operating permit. This Statement does not pertain to operating permits that include sewage sludge land application plans and variance procedures, and does not include the public comment process for this operating permit.

A Statement is not an enforceable part of an operating permit.

Plans and specifications for this facility are being reviewed under construction permit number CP0000859 by the Department of Natural Resources. The design engineer, a registered Missouri professional engineer, has certified that the plans and specifications meet all requirements of 10 CSR 20-Chapter 8 Waste Treatment Design.

Part I – Facility Information

Facility Type: POTW

State Park / Sewerage Works - SIC #7999 / 4952

Recirculating Sand Filter / Ultraviolet Disinfection / Sludge is land applied / Subsurface Disposal

Design organic population equivalent is 116
Design flow is 0.006300 MGD
Design sludge production is 0.812 dry tons/year.

OUTFALL(S) TABLE:

OUTFALL	DESIGN FLOW (CFS)	TREATMENT LEVEL	EFFLUENT TYPE	DISTANCE TO CLASSIFIED SEGMENT (MI)
001	0.009748	Secondary	Domestic	~0.2

Receiving Water Body's Water Quality & Facility Performance History:

This is for a new treatment facility.

Part II – Operator Certification Requirements

As per [10 CSR 20-6.010(8) Terms and Conditions of a Permit], permittees shall operate and maintain facilities to comply with the Missouri Clean Water Law and applicable permit conditions and regulations. Operators or supervisors of operations at regulated wastewater treatment facilities shall be certified in accordance with [10 CSR 20-9.020(2)] and any other applicable state law or regulation. As per [10 CSR 20-9.010(2)(A)], requirements for operation by certified personnel shall apply to all wastewater treatment systems, if applicable, as listed below:

Check boxes below that are applicable to the facility;

- Population Equivalent greater than two hundred (200): ☒
- Fifty (50) or more service connections: ☒

- Owned or operated by or for:
  - Municipalities ☐
  - Public Sewer District: ☐
  - County ☐

- Public Water Supply Districts: ☐
- Private sewer company regulated by the Public Service Commission: ☐
- State or Federal agencies: ☒

This facility currently requires an operator with a C Certification Level. Please see **Appendix A - Classification Worksheet**.

Operator's Name: Warren Templeton
Certification Number: 5492
Certification Level: C

The listing of the operator above only signifies that staff drafting this operating permit have reviewed appropriate Department records and determined that the name listed on the operating permit application has the correct and applicable Certification Level.

Part III – Receiving Stream Information

APPLICABLE DESIGNATIONS OF WATERS OF THE STATE:

As per Missouri's Effluent Regulations [10 CSR 20-7.015], the waters of the state are divided into the below listed seven (7) categories. Each category lists effluent limitations for specific parameters, which are presented in each outfall's Effluent Limitation Table and further discussed in the Derivation & Discussion of Limits section.

Missouri or Mississippi River [10 CSR 20-7.015(2)]: ☐
Lake or Reservoir [10 CSR 20-7.015(3)]: ☒
Losing [10 CSR 20-7.015(4)]: ☒
Metropolitan No-Discharge [10 CSR 20-7.015(5)]: ☐
Special Stream [10 CSR 20-7.015(6)]: ☐
Subsurface Water [10 CSR 20-7.015(7)]: ☐
All Other Waters [10 CSR 20-7.015(8)]: ☐

10 CSR 20-7.031 Missouri Water Quality Standards, the Department defines the Clean Water Commission water quality objectives in terms of "water uses to be maintained and the criteria to protect those uses." The receiving stream and/or 1st classified receiving stream's beneficial water uses to be maintained are located in the Receiving Stream Table located below in accordance with [10 CSR 20-7.031(3)].

RECEIVING STREAM(S) TABLE:

WATERBODY NAME	CLASS	WBID	DESIGNATED USES*	8-DIGIT HUC	EDU**
Unnamed Tributary to Stockton Lake	U		General Criteria, LWW, AQL, etc.	10290106	Ozark / Osage
Stockton Lake	L2	07235	General Criteria, LWW, AQL, WBC-A, DWS		

* - Irrigation (IRR), Livestock & Wildlife Watering (LWW), Protection of Warm Water Aquatic Life and Human Health-Fish Consumption (AQL), Cool Water Fishery(CLF), Cold Water Fishery (CDF), Whole Body Contact Recreation (WBC), Secondary Contact Recreation (SCR), Drinking Water Supply (DWS), Industrial (IND).
** - Ecological Drainage Unit

RECEIVING STREAM(S) LOW-FLOW VALUES TABLE:

RECEIVING STREAM (U, C, P)	LOW-FLOW VALUES (CFS)		
	1Q10	7Q10	30Q10
Tributary to Stockton Lake	0	0	0

MIXING CONSIDERATIONS
Mixing Zone: Not Allowed [10 CSR 20-7.031(4)(A)4.B.(I)(a)].
Zone of Initial Dilution: Not Allowed [10 CSR 20-7.031(4)(A)4.B.(I)(b)].

Part IV – Rationale and Derivation of Effluent Limitations & Permit Conditions

ALTERNATIVE EVALUATIONS FOR NEW FACILITIES:
As per [10 CSR 20-7.015(4)(A)], discharges to losing streams shall be permitted only after other alternatives including land application, discharges to a gaining stream and connection to a regional wastewater treatment facility have been evaluated and determined to be unacceptable for environmental and/or economic reasons.

Applicable ☒;
If applicable, then please explain (i.e. this facility discharges to a Losing Stream, as defined by [10 CSR 20-2.010(36)] & [10 CSR 20-7.031(1)(N)], and has submitted alternative evaluation(s).

ANTI-BACKSLIDING:
A provision in the Federal Regulations [CWA §303(d)(4); CWA §402(c); 40 CFR Part 122.44(I)] that requires a reissued permit to be as stringent as the previous permit with some exceptions.

☒ - New facility.

AREA-WIDE WASTE TREATMENT MANAGEMENT & CONTINUING AUTHORITY:
As per [10 CSR 20-6.010(8)(A)10.], when a Continuing Authority under paragraph 10 CSR 20-6.010(3)(B)1. or 2. is expected to be available for connection within the next five (5) years, any operating permit issued to a permittee under this paragraph, located within the service area of the paragraph (3)(B)1. or 2. facility, shall contain the following special condition… This language is contained in Special Condition #3 of this operating permit.

ANTIDEGRADATION:
Policies which ensure protection of water quality for a particular water body where the water quality exceeds levels necessary to protect fish and wildlife propagation and recreation on and in the water. This also includes special protection of waters designated as outstanding natural resource waters. Antidegradation requirements are consistent with 40 CFR 131.12 that outlines methods used to assess activities that may impact the integrity of a water and protect existing uses. This policy may compel the state to maintain a level of water quality above those mandated by criteria.

Applicable ☒; Please see the file for the completed antidegradation waiver signed by the engineer of record and owner for the installation of subsurface disposal system.

APPLICABLE PERMIT PARAMETERS:

Effluent parameters for conventional, non-conventional, and toxic pollutants have been obtained from the technology based effluent limits, water quality based limits, and from appropriate sections of the application.

Bio-solids, Sludge, & Sewage Sludge:
Bio-solids are solid materials resulting from wastewater treatment that meet federal and state criteria for beneficial uses (i.e. fertilizer). Sludge is any solid, semi-solid, or liquid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility or any other such waste having similar characteristics and effect. Sewage sludge is solids, semi-solids, or liquid residue generated during the treatment of domestic sewage in a treatment works; including but not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment process; and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screening generated during preliminary treatment of domestic sewage in a treatment works. Additional information regarding biosolids and sludge is located at the following web address: http://dnr.mo.gov/env/wpp/pub/index.html, items WQ422 through WQ449.

☒ - Permittee land must apply biosolids in accordance with Standard Conditions III and a Department approved biosolids management plan. A biosolids management plan must be submitted and approved by the Department prior to the issuance of the operating permit.

COMPLIANCE AND ENFORCEMENT:
Action taken by the Department to resolve violations of the Missouri Clean Water Law, its implementing regulations, and/or any terms and condition of an operating permit.

Not Applicable ☒;
The permittee/facility is not under enforcement action and is considered to be in compliance with the Missouri Clean Water Law, its implementing regulations, and/or any terms and condition of an operating permit.

PRETREATMENT PROGRAM:
The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a Publicly Owned Treatment Works [40 CFR Part 403.3(q)].

Pretreatment programs are required at any POTW (or combination of POTW operated by the same authority) and/or municipality with a total design flow greater than 5.0 MGD and receiving industrial wastes that interfere with or pass through the treatment works or are otherwise subject to the pretreatment standards. Pretreatment programs can also be required at POTWs/municipals with a design flow less than 5.0 MGD if needed to prevent interference with operations or pass through.

Several special conditions pertaining to the permittee's pretreatment program may be included in the permit, and are as follows:

- Implementation and enforcement of the program,
- Annual pretreatment report submittal,
- Submittal of list of industrial users,
- Technical evaluation of need to establish local limitations, and
- Submittal of the results of the evaluation

Not Applicable ☒;
The permittee, at this time, is not required to have a Pretreatment Program or does not have an approved pretreatment program.

REASONABLE POTENTIAL ANALYSIS (RPA):
Limitations must control all pollutants or pollutant parameters that are or may be discharged at a level which will cause, have reasonable potential to cause, or contribute to an excursion above the Missouri Water Quality Standards.

Not Applicable ☒;
A RPA was not conducted for this facility.

REMOVAL EFFICIENCY:
Removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to Biochemical Oxygen Demand 5-day (BOD_5) and Total Suspended Solids (TSS) for Publicly Owned Treatment Works (POTWs). Please see the United States Environmental Protection Agency's (EPA) website for interpretation of percent removal requirements for National Pollutant Discharge Elimination System Permit Application Requirements for Publicly Owned Treatment Works and Other Treatment Works Treating Domestic Sewage @ www.epa.gov/fedrgstr/EPA-WATER/1999/August/Day-04/w18866.htm

Applicable ☒;

Secondary Treatment is 85% removal [40 CFR Part 133.102(a)(3) & (b)(3)].

SANITARY SEWER OVERFLOWS (SSOS), BYPASSES, INFLOW & INFILTRATION (I&I) – PREVENTION/REDUCTION:
Sanitary Sewer Overflows (SSOs) are defined as an untreated or partially treated sewage release are considered bypassing under state regulation [10 CSR 20-2.010(11)] and should not be confused with the federal definition of bypass. SSO's have a variety of causes including blockages, line breaks, and sewer defects that allow excess storm water and ground water to (1) enter and overload the collection system, and (2) overload the treatment facility. Additionally, SSO's can be also be caused by lapses in sewer system operation and maintenance, inadequate sewer design and construction, power failures, and vandalism. SSOs also include overflows out of manholes and onto city streets, sidewalks, and other terrestrial locations.

Additionally, Missouri RSMo §644.026.1 mandates that the Department require proper maintenance and operation of treatment facilities and sewer systems and proper disposal of residual waste from all such facilities.

☒ - In accordance with Missouri RSMo §644.026.1.(15) and 40 CFR Part 122.41(e), the permittee is required to develop and/or implement a program for maintenance and repair of the collection system and shall be required in this operating permit by either means of a Special Condition or Schedule of Compliance. In addition, the Department considers the development of this program as an implementation of this condition. Additionally, 40 CFR Part 403.3(o) defines a POTW to include any device and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of liquid nature. It also includes sewers, pipes, and other conveyances only if they convey wastewater to a POTW Treatment Plant.

At this time, the Department recommends the US EPA's Guide for Evaluating Capacity, Management, Operation and Maintenance (CMOM) Programs At Sanitary Sewer Collection Systems (Document # EPA 305-B-05-002). The CMOM identifies some of the criteria used by the EPA to evaluate a collection system's management, operation, and maintenance and was intended for use by the EPA, state, regulated community, and/or third party entities. The CMOM is applicable to small, medium, and large systems; both public and privately owned; and both regional and satellite collection systems. The CMOM does not substitute for the Clean Water Act, the Missouri Clean Water Law, and both federal and state regulations, as it is not a regulation.

SCHEDULE OF COMPLIANCE (SOC):
A schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (actions, operations, or milestone events) leading to compliance with the Missouri Clean Water Law, its implementing regulations, and/or the terms and conditions of an operating permit.

Applicable ☒;
The time given for effluent limitations of this permit listed under Interim Effluent Limitation and Final Effluent Limitations where established in accordance with [10 CSR 20-7.031(10)].

This facility does not have an operator with certified Class C or higher.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP):
In accordance with 40 CFR 122.44(k) *Best Management Practices (BMPs)* to control or abate the discharge of pollutants when: (1) Authorized under section 304(e) of the Clean Water Act (CWA) for the control of toxic pollutants and hazardous substances from ancillary industrial activities; (2) Authorized under section 402(p) of the CWA for the control of storm water discharges; (3) Numeric effluent limitations are infeasible; or (4) the practices are reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA.

In accordance with the EPA's *Storm Water Management for Industrial Activities: Developing Pollution Prevention Plans and Best Management Practices* [EPA 832-R-92-006] (Storm Water Management), BMPs are measures or practices used to reduce the amount of pollution entering (regarding this operating permit) waters of the state. BMPs may take the form of a process, activity, or physical structure.

Additionally in accordance with the Storm Water Management, a SWPPP is a series of steps and activities to (1) identify sources of pollution or contamination, and (2) select and carry out actions which prevent or control the pollution of storm water discharges.

Not Applicable ☒;
At this time, the permittee is not required to develop and implement a SWPPP.

WASTELOAD ALLOCATIONS (WLA) FOR LIMITS:
As per [10 CSR 20-2.010(78)], the amount of pollutant each discharger is allowed by the Department to release into a given stream after the Department has determined to total amount of pollutant that may be discharged into that stream without endangering its water quality.

Applicable ☒;
Wasteload allocations were calculated where applicable using water quality criteria or water quality model results and the dilution equation below:

$$C = \frac{(C_s \times Q_s) + (C_e \times Q_e)}{(Q_e + Q_s)}$$ (EPA/505/2-90-001, Section 4.5.5)

Where C = downstream concentration
C_s = upstream concentration
Q_s = upstream flow
C_e = effluent concentration
Q_e = effluent flow

Chronic wasteload allocations were determined using applicable chronic water quality criteria (CCC: criteria continuous concentration) and stream volume of flow at the edge of the mixing zone (MZ). Acute wasteload allocations were determined using applicable water quality criteria (CMC: criteria maximum concentration) and stream volume of flow at the edge of the zone of initial dilution (ZID).

Water quality based maximum daily and average monthly effluent limitations were calculated using methods and procedures outlined in USEPA's "Technical Support Document For Water Quality-based Toxics Control" (EPA/505/2-90-001).

Number of Samples "n":
Additionally, in accordance with the TSD for water quality-based permitting, effluent quality is determined by the underlying distribution of daily values, which is determined by the Long Term Average (LTA) associated with a particular Wasteload Allocation (WLA) and by the Coefficient of Variation (CV) of the effluent concentrations. Increasing or decreasing the monitoring frequency does not affect this underlying distribution or treatment performance, which should be, at a minimum, be targeted to comply with the values dictated by the WLA. Therefore, it is recommended that the actual planned frequency of monitoring normally be used to determine the value of "n" for calculating the AML. However, in situations where monitoring frequency is once per month or less, a higher value for "n" must be assumed for AML derivation purposes. Thus, the statistical procedure being employed using an assumed number of samples is "n = 4" at a minimum. For Total Ammonia as Nitrogen, "n = 30" is used.

WLA MODELING:

Not Applicable ☒;
A WLA study was either not submitted or determined not applicable by Department staff.

WATER QUALITY STANDARDS:

Per [10 CSR 20-7.031(3)], General Criteria shall be applicable to all waters of the state at all times including mixing zones. Additionally, [40 CFR 122.44(d)(1)] directs the Department to establish in each NPDES permit to include conditions to achieve water quality established under Section 303 of the Clean Water Act, including State narrative criteria for water quality.

WHOLE EFFLUENT TOXICITY (WET) TEST:
A WET test is a quantifiable method of determining if a discharge from a facility may be causing toxicity to aquatic life by itself, in combination with or through synergistic responses when mixed with receiving stream water.

Not Applicable ☒;
At this time, the permittee is not required to conduct WET test for this facility.

40 CFR 122.41(m) - Bypasses:
The federal Clean Water Act (CWA), Section 402 prohibits wastewater dischargers from "bypassing" untreated or partially treated sewage (wastewater) beyond the headworks. A bypass, which includes blending, is defined as an intentional diversion of waste streams from any portion of a treatment facility, [40 CFR 122.41(m)(1)(i)]. Additionally, Missouri regulation 10 CSR 20-2.010(11) defines a bypass as the diversion of wastewater from any portion of wastewater treatment facility or sewer system to waters of the state. Only under exceptional and specified limitations do the federal regulations allow for a facility to bypass some or all of the flow from its treatment process. Bypasses are prohibited by the CWA unless a permittee can meet all of the criteria listed in 40 CFR 122.41(m)(4)(i)(A), (B), & (C). Any bypasses from this facility are subject to the reporting required in 40 CFR 122.41(l)(6) and per Missouri's Standard Conditions I, Section B, part 2.b. Additionally, Anticipated Bypasses include bypasses from peak flow basins or similar.

☒ - The permittee has not entered or does not meet the necessary requirements for entering into a VCA with the Department.

303(d) LIST & TOTAL MAXIMUM DAILY LOAD (TMDL):
Section 303(d) of the federal Clean Water Act requires that each state identify waters that are not meeting water quality standards and for which adequate water pollution controls have not been required. Water quality standards protect such beneficial uses of water as whole body contact (such as swimming), maintaining fish and other aquatic life, and providing drinking water for people, livestock and wildlife. The 303(d) list helps state and federal agencies keep track of waters that are impaired but not addressed by normal water pollution control programs.

A TMDL is a calculation of the maximum amount of a given pollutant that a body of water can absorb before its water quality is affected. If a water body is determined to be impaired as listed on the 303(d) list, then a watershed management plan will be developed that shall include the TMDL calculation

Not Applicable ☒;
This facility does not discharge to a 303(d) listed stream.

Adjusted Design Flow:
10 CSR 20-6.011(1)(B)1. provides for an Adjusted Design Flow when calculating permit fees on human sewage treatment facilities. If the average flow is sixty percent (60%) or less than the system's design flow, the average flow may be substituted for the design flow when calculating the permit fee on human sewage treatment facilities. If the facility's actual average flow is consistently 60% or less than the permitted design flow, the facility may qualify for a reduction in your fee when:

- The facility has a valid permit, or has applied for re-issuance, is in compliance with the terms, conditions and effluent limitations of the permit, and the facility has a good compliance history; and

- Flow is not expected to exceed 60% of design flow for the remaining term of the existing operating permit.

Not Applicable ☒;
Municipalities, POTWs, and Industrials do not qualify for Adjusted Design flows.

Outfall #001 – Main Facility Outfall
EFFLUENT LIMITATIONS TABLE:

PARAMETER	UNIT	BASIS FOR LIMITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MODIFIED	PREVIOUS PERMIT LIMITATIONS
FLOW	GPD	1	*		*	N/A	N/A
BOD_5	MG/L	1		15	10	N/A	N/A
TSS	MG/L	1		20	15	N/A	N/A
PH (S.U.)	SU	1	6.5-9.0		6.5-9.0	N/A	N/A
AMMONIA AS N (OCTOBER - MARCH)	MG/L	5	7.5		2.9	N/A	N/A
AMMONIA AS N (APRIL - SEPTEMBER)	MG/L	5	3.4		1.3	N/A	N/A
ESCHERICHIA COLI	***	1, 2, 3	Please see Escherichia Coli (E. coli) in the Derivation and Discussion Section below.				
NITRATE AS NITROGEN	MG/L	3	*		*	N/A	N/A
OIL & GREASE	MG/L	3, 8	15		10	N/A	N/A
MONITORING FREQUENCY	Please see Minimum Sampling and Reporting Frequency Requirements in the Derivation and Discussion Section below.						

*** - Monitoring requirement only**
*** - # of colonies/100mL; the Monthly Average for Fecal Coliform is a geometric mean.
**** - Parameter not previously established in previous state operating permit.
N/A – Not applicable
S – Same as previous operating permit

Basis for Limitations Codes:
1. State or Federal Regulation/Law
2. Water Quality Standard (includes RPA)
3. Water Quality Based Effluent Limits
4. Lagoon Policy
5. Ammonia Policy
6. Antidegradation Policy
7. Water Quality Model
8. Best Professional Judgment
9. TMDL or Permit in lieu of TMDL
10. WET test Policy
11. Dissolved Oxygen Policy

OUTFALL #001 – DERIVATION AND DISCUSSION OF LIMITS:

Flow. In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification.

Biochemical Oxygen Demand (BOD_5).
☒ – 15 mg/L Weekly Average and 10 mg/L Monthly Average effluent limitations, as per [10 CSR 20-7.015].

Total Suspended Solids (TSS).
☒ – 20 mg/L Weekly Average and 15 mg/L Monthly Average effluent limitations, as per [10 CSR 20-7.015].

pH.
☒ – pH is limited to the range of 6.5 – 9.0 pH units, as per [10 CSR 20-7.031(4)(E)]. pH is measured in pH units and is not to be averaged.

Total Ammonia Nitrogen. Early Life Stages Present Total Ammonia Nitrogen criteria apply [10 CSR 20-7.031(4)(B)7.C. & Table B3]. Background total ammonia nitrogen = 0.01 mg/L.

Season	Temp (^{o}C)	pH (SU)	Total Ammonia Nitrogen CCC (mg N/L)	Total Ammonia Nitrogen CMC (mg N/L)
Oct. 1 – March 31	6	7.8	3.1	12.1
April 1 – Sept. 30	27	7.8	1.4	12.1

Winter: Oct 1 – March 31, Summer: April 1 – Sept. 30

Summer – Chronic WLA = 1.4 mg N/L, Acute WLA = 12.1 mg N/L. No mixing zone is allowed. Discharges to Unclassified Stream.

LTA_c = 1.4 mg/L (0.780) = 1.09 mg N/L [CV = 0.6, 99th Percentile, 30 day average]
LTA_a = 12.1 mg/L (0.321) = 3.88 mg N/L [CV = 0.6, 99th Percentile]

MDL = 1.09 mg/L * 3.114 = 3.4 mg N/L [CV = 0.6, 99th Percentile]
AML = 1.09 mg/L * 1.19 = 1.3 mg N/L [CV = 0.6, 95th Percentile, n = 30]

Winter – Chronic WLA = 3.1 mg N/L, Acute WLA = 12.1 mg N/L. No mixing zone is allowed. Discharges to Unclassified Stream.

LTA_c = 3.1 mg/L (0.780) = 2.4 mg N/L [CV = 0.6, 99th Percentile, 30 day average]
LTA_a = 12.1 mg/L (0.321) = 3.9 mg N/L [CV = 0.6, 99th Percentile]

MDL = 2.4 mg/L * 3.114 = 7.5 mg N/L [CV = 0.6, 99th Percentile]
AML = 2.2 mg/L * 1.19 = 2.9 mg N/L [CV = 0.6, 95th Percentile, n = 30]

Season	Maximum Daily Limit (mg N/L)	Average Monthly Limit (mg N/L)
Oct 1 – March 31	7.5	2.9
April 1 – Sept 30	3.4	1.3

Escherichia coli (E. coli). Monthly average of 126 per 100 mL and a daily maximum of 126 per 100 mL. Per 10 CSR 20-7.031 (4)(C) the *E. coli* count shall not exceed 126 per 100 mL at any time in a losing stream.

Nitrate. Monitoring requirement only. The Department is evaluating proposed effluent limitations for Nitrate as Nitrogen for discharges that have the potential of impacting groundwater. At this time we are unsure what the limitation will be. The Department will be placing a monitoring requirement in the MSOP for Nitrate as Nitrogen. Please note that limitation could be established at the drinking water standard of 10 mg/l.

Dissolved Oxygen. Monitoring is typically required for facilities with chlorination/dechlorination system. Monitoring requirement was removed since the facility uses ultraviolet lights for disinfection.

Oil & Grease. Conventional pollutant, effluent limitation for protection of aquatic life; 10 mg/L monthly average, 15 mg/L daily maximum.

Minimum Sampling and Reporting Frequency Requirements.

PARAMETER	SAMPLING FREQUENCY	REPORTING FREQUENCY
FLOW	MONTHLY	MONTHLY
BOD_5	MONTHLY	MONTHLY
TSS	MONTHLY	MONTHLY

pH	Monthly	Monthly
Ammonia as N	Monthly	Monthly
Nitrate as Nitrogen	Monthly	Monthly
E. coli	Monthly	Monthly
Oil & Grease	Monthly	Monthly

Sampling Frequency Justification:

This facility is a new facility monthly sampling is required to determine if the facility will be in compliance with the operating permit in accordance with Appendix U of Missouri's Water Pollution Control Permit Manual.

The Clean Water Commission has directed the Department to proceed with amending 10 CSR 20-7.015 to reduce the sampling frequency required for E.coli to a lesser frequency, still protective of water quality standards, for smaller facilities, including those with discharges of 100,000 gallons per day or less.

Sampling Type Justification

Sand filters are not defined in the regulations and based on the small flow grab samples are appropriate.

Part V –2013 Water Quality Criteria for Ammonia

Upcoming changes to the Water Quality Standard for ammonia may require significant upgrades to wastewater treatment facilities.

On August 22, 2013, the U.S. Environmental Protection Agency (EPA) finalized new water quality criteria for ammonia, based on toxicity studies of mussels. Missouri's current ammonia criteria are based on toxicity testing of several species, but did not include data from mussels. Missouri is home to 65 of North America's mussel species, which are spread across the state. According to the Missouri Department of Conservation nearly two-thirds of the mussel species in Missouri are considered to be "of conservation concern". Nine species are listed as federally endangered, with an additional species currently proposed as endangered and another species proposed as threatened.

The adult forms of mussels that are seen in rivers, lakes, and streams are sensitive to pollutants because they are sedentary filter feeders. They vacuum up many pollutants with the food they bring in and cannot escape to new habitats, so they can accumulate toxins in their bodies and die. But very young mussels, called glochidia, are exceptionally sensitive to ammonia in water. As a result of a citizen suit, the EPA was compelled to conduct toxicity testing and develop ammonia water quality criteria that would be protective if young mussels may be present in a waterbody. These new criteria will apply to any discharge with ammonia levels that may pose a reasonable potential to violate the standards. Nearly all discharging domestic wastewater treatment facilities (cities, subdivisions, mobile home parks, etc.), as well as certain industrial and stormwater dischargers with ammonia in their effluent, will be affected by this change in the regulations.

When new water quality criteria are established by the EPA, states must adopt them into their regulations in order to keep their authorization to issue permits under the National Pollutant Discharge Elimination System (NPDES). States are required to review their water quality standards every three years, and if new criteria have been developed they must be adopted. States may be more protective than the Federal requirements, but not less protective. Missouri does not have the resources to conduct the studies necessary for developing new water quality standards, and therefore our standards mirror those developed by the EPA; however, we will utilize any available flexibility based on actual species of mussels that are native to Missouri and their sensitivity to ammonia.

Many treatment facilities in Missouri are currently scheduled to be upgraded to comply with the current water quality standards. But these new ammonia standards may require a different treatment technology than the one being considered by the permittee. It is important that permittees discuss any new and upcoming requirements with their consulting engineers to ensure that their treatment systems are capable of complying with the new requirements. The Department encourages permittees to construct treatment technologies that can attain effluent quality that supports the EPA ammonia criteria.

Ammonia toxicity varies by temperature and by pH of the water. Assuming a stable pH value, but taking into account winter and summer temperatures, Missouri includes two seasons of ammonia effluent limitations. Typical effluent limits for ammonia for a facility in a location such as this, under current regulations, with no mixing available, would be:

Summer – 3.6 mg/L daily maximum, 1.4 mg/L monthly average.
Winter – 7.5 mg/L daily maximum, 2.9 mg/L monthly average.

Under the new EPA criteria, where mussels of the family Unionidae are present or expected to be present, your estimated effluent limitations will be:

Summer – 1.7 mg/L daily maximum, 0.6 mg/L monthly average.
Winter – 5.6 mg/L daily maximum, 2.1 mg/L monthly average.

Actual effluent limits will depend in part on the actual performance of the facility.

Operating permits for facilities in Missouri must be written based on current statutes and regulations. It is expected that the new WQS will be adopted in the next review of our standards. Therefore permits will be written with the existing effluent limitations until the new standards are adopted. To aid permittees in decision making, an advisory will be added to permit Fact Sheets notifying permittees of the expected effluent limitations for ammonia. When setting schedules of compliance for ammonia effluent limitations, consideration will be given to facilities that have recently constructed upgraded facilities to meet the current ammonia limitations.

For more information on this topic feel free to contact the Missouri Department of Natural Resources, Water Protection Program, Water Pollution Control Branch, Operating Permits Section at (573) 751-1300.

Part VI: Finding of Affordability

Pursuant to Section 644.145, RSMo., the Department is required to determine whether a permit or decision is affordable and makes a finding of affordability for certain permitting and enforcement decisions. This requirement applies to discharges from combined or separate sanitary sewer systems or publically-owned treatment works.

☒ Not Applicable; This is a new permit after construction. The Department is not required to determine findings of affordability because the permit contains no new conditions or requirements that convey a new cost to the facility.

Part VII – Administrative Requirements

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit. The proposed determinations are tentative pending public comment.

PERMIT SYNCHRONIZATION:
The Department of Natural Resources is currently undergoing a synchronization process for operating permits. Permits are normally issued on a five-year term, but to achieve synchronization many permits will need to be issued for less than the full five years allowed by regulation. The intent is that all permits within a watershed will move through the Watershed Based Management (WBM) cycle together will all expire in the same fiscal year. This will allow further streamlining by placing multiple permits within a smaller geographic area on public notice simultaneously, thereby reducing repeated administrative efforts. This will also allow the department to explore a watershed based permitting effort at some point in the future.

PUBLIC NOTICE:
The Department shall give public notice that a draft permit has been prepared and its issuance is pending. Additionally, public notice will be issued if a public hearing is to be held because of a significant degree of interest in and water quality concerns related to a draft permit. No public notice is required when a request for a permit modification or termination is denied; however, the requester and permittee must be notified of the denial in writing.

The Department must issue public notice of a pending operating permit or of a new or reissued statewide general permit. The public comment period is the length of time not less than 30 days following the date of the public notice which interested persons may submit written comments about the proposed permit.

For persons wanting to submit comments regarding this proposed operating permit, then please refer to the Public Notice page located at the front of this draft operating permit. The Public Notice page gives direction on how and where to submit appropriate comments.

☒ - The Public Notice period for this operating permit was from January 28, 2011 to February 27, 2011. No responses received.

Date of Factsheet: January 12, 2011; Revised October 11, 2013

Sieu T. Dang
WP Engineering Unit
(417) 891-4300
Sieu.dang@dnr.mo.gov

Appendix A

10 CSR 20-9.020
All wastewater treatment systems serving a population equivalent greater than two hundred (200) or with fifty (50) or more service connections, owned or operated by or for municipalities, public sewer districts, counties, public water supply districts, private sewer companies regulated by the Public Service Commission and the state or federal agencies.

Column A

Item	Points	Points Assigned
Maximum population equivalent (P.E.) served, peak day	1 pt. Per 10,000 PE or major fraction thereof	
Design flow (avg. day) or peak month's flow, (avg. day) whichever is larger	Maximum: 10 Points 1 pt. Per MGD or major fraction thereof	
REQUIRED LABORATORY CONTROL Performed by plant personnel (highest level only)		
Lab work done outside the plant	0	
Push – button or visual methods for simple tests such as pH, settleable solids	3	3
Additional procedures such as DO, COD, BOD, titrations, solids, volatile content	5	
More advanced determinations such as BOD seeding procedure, fecal coliform, nutrients, total oils, phenols, etc.	7	
Highly sophisticated instrumentation, such as atomic absorption and gas chromatograph	10	
TOTAL Page 1 Column A		**3**

Column B

Item	Points	Points Assigned
EFFLUENT DISCHARGE RECEIVING WATER SENSITIVITY		
Missouri or Mississippi River	0	
All other stream discharges except to losing streams and stream reaches supporting whole body contact reaction	1	
Discharge to lake or reservoir outside of designated whole body contact recreational area	2	
Discharge to losing stream, or stream, lake or reservoir area supporting whole body contact recreation	3	3
HEADWORKS - PRELIMINARY TREATMENT		
Raw wastes subject to toxic waste discharges	6	
Screening and/or comminution	3	
Grit removal	3	
Plant pumping of main flow (If 51% or greater flow comes into plant)	3	3
PRIMARY TREATMENT		
Primary clarifiers (Flow EQ basins)	5	
Combined sedimentation/digestion (includes big septic tank or if cities clean out STEP system)	5	5
Chemical addition (except chlorine, enzymes)	4	
TOTAL Page 1 Column B		**11**

Column A		
Item	**Points**	**Points Assigned**
Direct reuse or recycle of effluent	6	
Land Disposal – Low rate (Irrigation) < 24" year	3	3
Land Disposal – High rate (Irrigation) > 24" year	5	
Overland flow	4	
Variation in Raw Wastes (highest level only) (DMR exceedances & Design Flow exceedances)		
Variations do not exceed those normally or typically expected	0	
Recurring deviations or excessive variations of 100 to 200 % in strength and/or flow (use design flow for determination)	2	
Recurring deviations or excessive variations of more than 200 percent in strength and/or flow (use design flow for determination)	4	
SOLIDS HANDLING - SLUDGE		
Thickening (Lagoon sludge holding basin)	5	
Anaerobic digestion	10	
Aerobic digestion	6	
Evaporative sludge drying	2	
Mechanical dewatering (belt thickeners)	8	
Solids reduction (incineration, wet oxidation, composting)	12	
Land application	6	6
TOTAL Page 2 Column A		**9**
Grand Total		**37**

Column B		
Item	**Points**	**Points Assigned**
SECONDARY TREATMENT		
Trickling filter and other fixed film media with secondary clarifiers (recirculating sand filters)	10	10
Activated sludge with secondary clarifiers (including extended aeration and oxidation ditches)	15	
Stabilization ponds without aeration	5	
Aerated lagoon (Lemna)	8	
Advanced Waste Treatment Polishing pond (Lemna)	2	
Chemical/physical – without secondary (carbon filters such as at Wilson's Creek WWTF)	15	
Chemical/physical – following secondary (adding alum if not at headworks, tertiary filters)	10	
Biological or chemical biological (multi stage biological treatment, SBR and 3-phase biological treatment)	12	
Carbon Regeneration	4	
DISINFECTION		
Chlorination or comparable	5	
Dechlorination	2	
On-site generation of disinfectant (ozone)	5	
Ultraviolet light	4	4
TOTAL Page 2 Column B		**14**

Level of Certification Required

D	C	B	A
≤ 25	26 – 50	51 – 70	≥71

PREPARED BY:

Sieu T. Dang 1/12/2011

(Name) **(Date)**

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
FORM B: APPLICATION FOR AN OPERATING PERMIT FOR DOMESTIC OR MUNICIPAL WASTEWATER (≤100,000 gallons per day)

FOR AGENCY USE ONLY	
CHECK NUMBER	
DATE RECEIVED	FEE SUBMITTED

PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. THIS APPLICATION IS FOR:

☐ An operating permit for a new (including antidegradation review) or unpermitted facility. Construction Permit # _____

☐ An operating permit renewal: Permit #MO- _____ Expiration Date _____

☑ An operating permit modification: Permit #MO- 0135933 Reason: Remove DO

1.1 Is the appropriate fee included with the application (see instructions for appropriate fee)? ☐ YES ☑ NO

1.2 Is a facility description included with this application (see 7.1)? ☐ YES ☑ NO

2. FACILITY

NAME		TELEPHONE NUMBER WITH AREA CODE	
MDNR, Stockton State Park WWTP		(417) 276-4259	
ADDRESS (PHYSICAL)	CITY	STATE	ZIP CODE
19100 S. Highway 215	Dadeville	MO	65635

OUTFALL NUMBER
For multiple outfalls, this is number 001 of 001

Estimated (actual) flow: 3300 gpd, Design Average Flow: 6300 gpd, Design Peak Hourly Flow: gph

2.1 Legal description: NE ¼, NW ¼, NE ¼, Sec. 14 , T 33 , R 26W County Cedar

2.2 UTM Coordinates Easting (X): 433908 Northing (Y): 4162155

For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

2.3 Name of receiving stream: Unnamed Tributary to Stockton Lake (Subsurface Dispersion)

3. OWNER

NAME	E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE	
MDNR, Division of State Parks		(573) 751-0761	
ADDRESS	CITY	STATE	ZIP CODE
PO Box 176	Jefferson City	MO	65102

3.1 Request review of draft permit prior to public notice? ☑ YES ☐ NO

4. CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the facility.

NAME	E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE	
MDNR, Stockton State Park	justin.adams@dnr.mo.gov	(417) 276-4259	
ADDRESS	CITY	STATE	ZIP CODE
19100 S. Highway 215	Dadeville	MO	65635

5. OPERATOR

NAME	CERTIFICATE NUMBER
Warren Templeton	5492
E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
None	(417) 276-4259

6. FACILITY CONTACT

NAME	TITLE
Justin Adams	Natural Resources Manager
E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
justin.adams@dnr.mo.gov	(417) 276-4259

7. DESCRIPTION OF FACILITY

7.1 Describe the facility (attach additional sheet if required) and attach a flow chart showing the influents, treatment facilities and outfalls.

Septic Tank / Recirculation Pea Gravel Filter / Ultraviolet Disinfection / Subsurface Dispersion (LPP System) / Sludge Land Applied

7.2 Attach an aerial photograph or USGS topographic map showing the location of the facility and outfall.

7.3 Design flow for this outfall: 6300 Total design flow for the facility: 6300 Actual flow for this outfall: 3300

7.4 Number of people presently connected or population equivalent (P.E.): Varies Design P.E.: 230

7.5 Does the facility accept or process leachate from landfills? ☐ Yes ☑ No

MO 780-1512 (06/13)

0139. wpcp. Stockton State Park. MO0135933. x. 2013.09.18. fy14. OPAPP. x. rcvd

RECEIVED SEP 2013 DEQ/SWRO

8. ADDITIONAL FACILIY INFORMATION

8.1 Facility SIC code: 7999 ; Discharge SIC code: 4952 .

8.2 Milestone dates:

Date of completion of construction of facility: 7/16/13

Dates of any construction modifications to the facility (along with description of modification): None

8.3 Connections to the facility:

Number of units presently connected: Homes 0 Trailers _____ Apartments _____

Other (including industrial) 58 (If industrial, see instructions 8.1)

Number of commercial establishments: 1

Daily number of employees working (total estimate): 20 Daily number of customers/guests (total estimate): 100

8.4 Length of pipe in the sewer collection system? 2000 feet or _____ miles (either unit is appropriate.)

8.5 Does any bypassing occur in the collection system or at the treatment facility? ☐ Yes ☑ No (If yes, explain.)

8.6 Does significant infiltration occur in the collection system? ☐ Yes ☑ No (If yes, explain and attach proposed repair.)

9. DISCHARGE INFORMATION

9.1	Will the discharge be continuous throughout the year?	☐ Yes	☑ No	
9.2	Discharge will occur during the following months:	Apr-Nov		
9.3	How many days of the week will the discharge occur?	7		
9.4	Is wastewater land-applied?	☐ Yes	☑ No	(If yes, attach Form I.)
9.5	Will chlorine be added to the effluent?	☐ Yes	☑ No	
	If chlorine is added, what is the resulting residual?	_____ µg/l (micrograms per liter)		
9.6	Does this facility discharge to a losing stream or sinkhole?	☑ Yes	☐ No	
9.7	Has a waste load allocation study been completed for this facility?	☐ Yes	☑ No	

10. List all permit violations, including effluent limit exceedances, in the last five years. Attach a separate sheet if necessary. If none, write none.

None

11. SLUDGE HANDLING, USE AND DISPOSAL

11.1 Is the sludge a hazardous waste as defined by 10 CSR 25? ☐ Yes ☑ No

Sludge production, including sludge received from others: 0.9 Design Dry Tons/Year 0.7 Actual Dry Tons/Year

11.3 Capacity of sludge holding structures:

Sludge storage provided: 855 cubic feet; 73 days of storage; 6.5 average percent solids of sludge;

☐ No sludge storage is provided.

Type of Storage:
☐ Holding tank ☐ Building
☐ Basin ☑ Other (Please describe) Septic Tank
☐ Concrete Pad

Sludge Treatment:
☐ Anaerobic Digester ☐ Lagoon ☐ Composting
☑ Storage Tank ☐ Aerobic Digester ☐ Other (Attach description)
☐ Lime Stabilization ☐ Air or Heat Drying

Sludge Use or Disposal:
☐ Land Application ☐ Surface Disposal (Sludge Disposal Lagoon, Sludge held for more than two years)
☑ Contract Hauler ☐ Incineration
☐ Hauled to Another ☐ Sludge Retained in Wastewater treatment lagoon
Treatment Facility ☐ Other _____ Attach explanation sheet.
☐ Solid Waste Landfill

Person responsible for hauling sludge to disposal facility
☑ By Applicant ☐ By Others (complete below)

NAME		E-MAIL ADDRESS	
ADDRESS	CITY	STATE	ZIP CODE
CONTACT PERSON	TELEPHONE NUMBER WITH AREA CODE	PERMIT NO. MO-	

Sludge use or disposal facility
☑ By applicant ☐ By others (Please complete below.)

NAME		E-MAIL ADDRESS	
ADDRESS	CITY	STATE	ZIP CODE
CONTACT PERSON	TELEPHONE NUMBER WITH AREA CODE	PERMIT NO. MO-	

Does the sludge or biosolids disposal comply with federal sludge regulations under 40 CFR 503?
■ Yes ☐ No (Please explain)

12. DOWNSTREAM LANDOWNERS - ATTACH ADDITIONAL SHEETS AS NECESSARY. SEE INSTRUCTIONS.

NAME			
U.S. Army Corps of Engineers - Stockton Project Office			
ADDRESS	CITY	STATE	ZIP CODE
16435 E. Stockton Drive	Stockton	MO	65785

13. CERTIFICATION

I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief such information is true, complete and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant under the Missouri Clean Water Law.

NAME AND OFFICIAL TITLE (TYPE OR PRINT)	TELEPHONE NUMBER WITH AREA CODE
Martin Kator, Environmental Specialist IV	(573) 522-6380
SIGNATURE	DATE SIGNED
Martin Kator	9/16/13

MO 780-1512 (06/13)

RECEIVED SEP 2013 DEQ/SWRO

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM

STATEMENT OF WORK COMPLETED

1. PROJECT INFORMATION

CONSTRUCTION PERMIT #	DEPARTMENT FUNDED PROJECT #
CP0000859	n/a

NAME OF THE PROJECT
Wastewater Treatment and Subsurface Disposal System for Stockton State Park

LOCATION OF THE PROJECT
Stockton State Park, 19100 S. Highway 215, Dadeville, MO 65635

BRIEF DESCRIPTION OF THE PROJECT
Construction Contract #X0808-01 included construction of a duplex grinder pump station and associated force main, and a wastewater treatment plant consisting of a septic tank, de-nitrification tank, recirculating pea gravel filter, recirculation tank, ultra violet disinfection system, LPP system dosing tank, and all necessary appurtenances.

2. AS BUILTS

☑ An electronic copy of the as builts are required and included with this application.

3. PROJECT OWNER

NAME	TELEPHONE NUMBER WITH AREA CODE
Stockton State Park	(417) 276-4259

ADDRESS	CITY	STATE	ZIP CODE
19100 S. Highway 215	Dadeville	MO	65635

4. CONTRACTOR COMPANY

CONTRACT NUMBER
OA-FMDC #X0808-02

NAME	TELEPHONE NUMBER WITH AREA CODE
Travis Hodge Hauling, LLC	(573) 793-6603

ADDRESS	CITY	STATE	ZIP CODE
P.O. Box 1064	Lake Ozark	MO	65049

5. INSPECTIONS CONDUCTED BY CONSULTANT

DATES OF CONSTRUCTION INSPECTIONS DURING CONSTRUCTION
9/14/11, 11/14/11, 11/16/11, 11/21/11, 12/01/11, 12/07/11, 12/30/11, 1/18/12, 2/02/12, 2/22/12, 3/01/12, 3/12/12, 3/14/12, 3/19/12, 4/06/12, 4/11/12, 4/17/12, 4/25/12, 5/10/12, 5/14/12, 5/21/12, 6/07/12, 6/18/12, 6/21/12, 7/09/12, 7/12/12, & 7/25/12

DATE OF FINAL INSPECTION
08/22/2012

6. ADDENDA APPROVAL

ISSUED ADDENDUM #	DEPARTMENT APPROVAL DATE
#1 - 6/23/2011	DNR approval not required. Addendum did not affect capacity, flow, system layout, operation of units, or point of discharge.
#2 - 6/27/2011	DNR approval not required. Addendum did not affect capacity, flow, system layout, operation of units, or point of discharge.

MO 780-2155 (12-12)

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7. CHANGE ORDER APPROVAL

EXECUTED CHANGE ORDER #	DEPARTMENT APPROVAL DATE
#1 - 3/14/2012	DNR approval not required. Change Order did not affect capacity, flow, system layout, operation of units, or point of discharge.
#2 - 6/15/2012	DNR approval not required. Change Order did not affect capacity, flow, system layout, operation of units, or point of discharge.
#3 - 7/23/2012	DNR approval not required. Change Order did not affect capacity, flow, system layout, operation of units, or point of discharge.

8. CONSULTANT: I hereby affirm, to the best of my knowledge and belief, based on inspections, observations, testing of the construction and upon reports submitted by others, that this project is complete. The construction was completed in accordance with the approved plans and specifications and the above listed and approved Addenda and Change Order(s).

SIGNATURE Richard McMillian

PRINT NAME	DATE
Richard McMillian	08/22/2012

CONSULTING FIRM NAME	LICENSE #
White River Engineering, Inc.	E18813

ADDRESS	CITY	STATE	ZIP CODE
600 W. College Street, Suite 104	Springfield	MO	65806

NAME OF THE PROJECT	TELEPHONE NUMBER WITH AREA CODE
Subsurface Wastewater Disposal System for Stockton State Park	(417) 862-3355

Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

MO 780-2155 (12-11)

INSTRUCTIONS FOR COMPLETETING
STATEMENT OF WORK COMPLETED

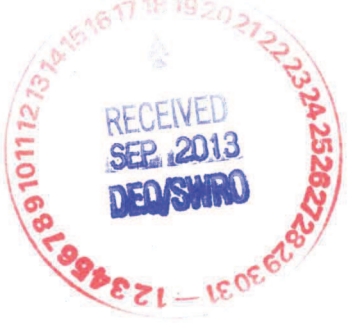
When construction is complete, the applicant shall submit the Statement of Work Completed form. See 10 CSR 20-6.010(5)(D). Submit this form along with the appropriate Form A, B or B2 and applicable fee.

All department-funded projects are required to submit this form.

1. Complete Project information.
2. Attach an electronic copy of the as builts to this form in accordance with 10 CSR 20-8.110(8). The electronic copy shall be submitted on a Compact Disc, or CD, and in the Adobe Portable Document Format, or PDF, Searchable format. If the as builts are scanned, set the resolution to a minimum of 200 dpi at 17 inches by 22 inches.
3. Complete Project Owner Information. The project owner name should match the information provided in the construction permit application.
4. Complete Contractor Company information. Attach a separate sheet if multiple contracts were awarded for the project.
5. List all construction inspection dates conducted by the consultant. Attach additional sheets as necessary.
6. List all Addenda and corresponding information. An addendum is a change to the approved plans and specifications prior to the bid opening. Addenda must be approved by the department in accordance with 10 CSR 20-4 and 10 CSR 20-8.110(8). Attach additional sheets as necessary.
7. List all Change Orders and corresponding information. A change order is a change to the approved plans and specifications after the bid award and contract execution. Change Order(s) must be approved by the department in accordance with 10 CSR 20-4 and 10 CSR 20-8.110(8). Attach additional sheets as necessary.
8. Complete Consultant certification and information.

Mail the completed form to the department.

If there are any questions concerning this form, please contact the Department of Natural Resources, Water Protection Program at 573-751-1300.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM

STATEMENT OF WORK COMPLETED

1. PROJECT INFORMATION

CONSTRUCTION PERMIT #	DEPARTMENT FUNDED PROJECT #
CP0000859	n/a

NAME OF THE PROJECT
Subsurface Wastewater Disposal System for Stockton State Park

LOCATION OF THE PROJECT
Stockton State Park, 19100 S. Highway 215, Dadeville, MO 65635

BRIEF DESCRIPTION OF THE PROJECT
Construction Contract #X0808-02 included construction of a low pressure pipe (LPP) subsurface dispersion system consisting of two (2) fields with each field having a surface area of 23,625 square feet with associated perforated laterals, valves and necessary appurtenances.

2. AS BUILTS

☑ An electronic copy of the as builts are required and included with this application.

3. PROJECT OWNER

NAME	TELEPHONE NUMBER WITH AREA CODE
Stockton State Park	(417) 276-4259

ADDRESS	CITY	STATE	ZIP CODE
19100 S. Highway 215	Dadeville	MO	65635

4. CONTRACTOR COMPANY

CONTRACT NUMBER
OA-FMDC #X0808-02

NAME	TELEPHONE NUMBER WITH AREA CODE
Travis Hodge Hauling, LLC	(573) 793-6603

ADDRESS	CITY	STATE	ZIP CODE
P.O. Box 1064	Lake Ozark	MO	65049

5. INSPECTIONS CONDUCTED BY CONSULTANT

DATES OF CONSTRUCTION INSPECTIONS DURING CONSTRUCTION
5/01/13, 5/16/13, 5/22/13, 6/11/13, 6/17/13, 6/19/13, 6/27/13, & 7/11/13

DATE OF FINAL INSPECTION
07/11/2013

6. ADDENDA APPROVAL

ISSUED ADDENDUM #	DEPARTMENT APPROVAL DATE
#1 - 1/18/13	DNR approval not required. Addendum did not affect capacity, flow, system layout, operation of units, or point of discharge.

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7. CHANGE ORDER APPROVAL	
EXECUTED CHANGE ORDER #	DEPARTMENT APPROVAL DATE
#1 - 4/11/2013	DNR approval not required. Change Order did not affect capacity, flow, system layout, operation of units, or point of discharge.
#2 - 6/12/2013	DNR approval not required. Change Order did not affect capacity, flow, system layout, operation of units, or point of discharge.

8. CONSULTANT: I hereby affirm, to the best of my knowledge and belief, based on inspections, observations, testing of the construction and upon reports submitted by others, that this project is complete. The construction was completed in accordance with the approved plans and specifications and the above listed and approved Addenda and Change Order(s).

SIGNATURE: Richard McMillian			
PRINT NAME: Richard McMillian		DATE: 07/11/2013	
CONSULTING FIRM NAME: White River Engineering, Inc.		LICENSE #: E18813	
ADDRESS: 600 W. College Street, Suite 104	CITY: Springfield	STATE: MO	ZIP CODE: 65806
NAME OF THE PROJECT: Subsurface Wastewater Disposal System for Stockton State Park		TELEPHONE NUMBER WITH AREA CODE: (417) 862-3355	

Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

MO 780-2155 (12-11)

INSTRUCTIONS FOR COMPLETETING STATEMENT OF WORK COMPLETED

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5. List all construction inspection dates conducted by the consultant. Attach additional sheets as necessary.
6. List all Addenda and corresponding information. An addendum is a change to the approved plans and specifications prior to the bid opening. Addenda must be approved by the department in accordance with 10 CSR 20-4 and 10 CSR 20-8.110(8). Attach additional sheets as necessary.
7. List all Change Orders and corresponding information. A change order is a change to the approved plans and specifications after the bid award and contract execution. Change Order(s) must be approved by the department in accordance with 10 CSR 20-4 and 10 CSR 20-8.110(8). Attach additional sheets as necessary.
8. Complete Consultant certification and information.

Mail the completed form to the department.

If there are any questions concerning this form, please contact the Department of Natural Resources, Water Protection Program at 573-751-1300.

MISSOURI DEPARTMENT OF NATURA
WATER PROTECTION PROGRAM
FORM B: APPLICATION FOR AN OPEI
MUNICIPAL WASTEWATER (≤100,000

AP ID ~~16473~~ 16668

FOR AGENCY USE ONLY	
CHECK NUMBER	
DATE RECEIVED	FEE SUBMITTED

PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. THIS APPLICATION IS FOR:

☑ An operating permit for a new (including antidegradation review) or unpermitted facility. Construction Permit # CP0000859

☐ An operating permit renewal: Permit #MO- _____ Expiration Date _____

☐ An operating permit modification: Permit #MO- _____ Reason: _____

1.1 Is the appropriate fee included with the application (see instructions for appropriate fee)? ☐ YES ☐ NO

1.2 Is a facility description included with this application (see 7.1)? ☑ YES ☐ NO

2. FACILITY

NAME		TELEPHONE NUMBER WITH AREA CODE	
Stockton State Park		(417) 276-4259	
ADDRESS (PHYSICAL)	CITY	STATE	ZIP CODE
19100 S. Highway 215	Dadeville	MO	65635

OUTFALL NUMBER
For multiple outfalls, this is number of

Estimated (actual) flow: 3300 gpd, Design Average Flow: 6300 gpd, Design Peak Hourly Flow: gph

2.1 Legal description: NE ¼, NW ¼, NE ¼, Sec. 14 , T 33 , R 26W County Cedar

2.2 UTM Coordinates Easting (X): 433908 Northing (Y): 4162155

For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

2.3 Name of receiving stream: Unnamed Tributary to Stockton Lake (Subsurface Dispersion)

3. OWNER

NAME	E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE	
Stockton State Park	justin.adams@dnr.mo.gov	(417) 276-4259	
ADDRESS	CITY	STATE	ZIP CODE
19100 S. Highway	Dadeville	MO	65635

3.1 Request review of draft permit prior to public notice? ☐ YES ☑ NO

4. CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the facility.

NAME	E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE	
Same as above			
ADDRESS	CITY	STATE	ZIP CODE
Same as above			

5. OPERATOR

NAME	CERTIFICATE NUMBER
Warren Templeton	5492
E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
None	(417) 276-4259

6. FACILITY CONTACT

NAME	TITLE
Justin Adams	Natural Resources Manager
E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
justin.adams@dnr.mo.gov	(417) 276-4259

7. DESCRIPTION OF FACILITY

7.1 Describe the facility (attach additional sheet if required) and attach a flow chart showing the influents, treatment facilities and outfalls.

Septic Tank / Recirculation Pea Gravel Filter / Ultraviolet Disinfection / Subsurface Dispersion (LPP System) / Sludge Land Applied

7.2 Attach an aerial photograph or USGS topographic map showing the location of the facility and outfall.

7.3 Design flow for this outfall: 6300 Total design flow for the facility: 6300 Actual flow for this outfall: 3300

7.4 Number of people presently connected or population equivalent (P.E.): Varies Design P.E.: 230

7.5 Does the facility accept or process leachate from landfills? ☐Yes ☑ No

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8. ADDITIONAL FACILIY INFORMATION

8.1 Facility SIC code: 7999 ; Discharge SIC code: 4952 .

8.2 Milestone dates:

Date of completion of construction of facility: 7/16/13

Dates of any construction modifications to the facility (along with description of modification): None

8.3 Connections to the facility:

Number of units presently connected: Homes 0 Trailers _____ Apartments _____

Other (including industrial) 8 (If industrial, see instructions 8.1)

Number of commercial establishments: 1

Daily number of employees working (total estimate): 20 Daily number of customers/guests (total estimate): 100

8.4 Length of pipe in the sewer collection system? 2000 feet or _____ miles (either unit is appropriate.)

8.5 Does any bypassing occur in the collection system or at the treatment facility? ☐ Yes ☑ No (If yes, explain.)

8.6 Does significant infiltration occur in the collection system? ☐ Yes ☑ No (If yes, explain and attach proposed repair.)

9. DISCHARGE INFORMATION

9.1	Will the discharge be continuous throughout the year?	☐ Yes	☑ No	
9.2	Discharge will occur during the following months:	Apr-Nov		
9.3	How many days of the week will the discharge occur?	7		
9.4	Is wastewater land-applied?	☐ Yes	☑ No	(If yes, attach Form I.)
9.5	Will chlorine be added to the effluent?	☐ Yes	☑ No	
	If chlorine is added, what is the resulting residual?	_____ µg/l (micrograms per liter)		
9.6	Does this facility discharge to a losing stream or sinkhole?	☑ Yes	☐ No	
9.7	Has a waste load allocation study been completed for this facility?	☐ Yes	☑ No	

10. List all permit violations, including effluent limit exceedances, in the last five years. Attach a separate sheet if necessary. If none, write none.

None

11. SLUDGE HANDLING, USE AND DISPOSAL

11.1 Is the sludge a hazardous waste as defined by 10 CSR 25? ☐ Yes ☑ No

Sludge production, including sludge received from others: 0.9 Design Dry Tons/Year 0.7 Actual Dry Tons/Year

11.3 Capacity of sludge holding structures:

Sludge storage provided: 855 cubic feet; 73 days of storage; 6.5 average percent solids of sludge;

☐ No sludge storage is provided.

Type of Storage:

☐ Basin ☐ Holding tank ☐ Building ☑ Other (Please describe) Septic Tank ☐ Concrete Pad

Sludge Treatment:

☐ Anaerobic Digester ☐ Lagoon ☐ Composting
☐ Storage Tank ☐ Aerobic Digester ☐ Other (Attach description)
☑ Lime Stabilization ☐ Air or Heat Drying

Sludge Use or Disposal:

☑ Land Application ☐ Surface Disposal (Sludge Disposal Lagoon, Sludge held for more than two years)
☐ Contract Hauler ☐ Incineration
☐ Hauled to Another ☐ Sludge Retained in Wastewater treatment lagoon
Treatment Facility ☐ Other _____ Attach explanation sheet.
☐ Solid Waste Landfill

Person responsible for hauling sludge to disposal facility

☑ By Applicant ☐ By Others (complete below)

NAME		E-MAIL ADDRESS	
ADDRESS	CITY	STATE	ZIP CODE
CONTACT PERSON	TELEPHONE NUMBER WITH AREA CODE	PERMIT NO. MO-	

Sludge use or disposal facility

☑ By applicant ☐ By others (Please complete below.)

NAME		E-MAIL ADDRESS	
ADDRESS	CITY	STATE	ZIP CODE
CONTACT PERSON	TELEPHONE NUMBER WITH AREA CODE	PERMIT NO. MO-	

Does the sludge or biosolids disposal comply with federal sludge regulations under 40 CFR 503?

■ Yes ☐ No (Please explain)

12. DOWNSTREAM LANDOWNERS - ATTACH ADDITIONAL SHEETS AS NECESSARY. SEE INSTRUCTIONS.

NAME			
U.S. Army Corps of Engineers - Stockton Project Office			
ADDRESS	CITY	STATE	ZIP CODE
16435 E. Stockton Drive	Stockton	MO	65785

13. CERTIFICATION

I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief such information is true, complete and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant under the Missouri Clean Water Law.

NAME AND OFFICIAL TITLE (TYPE OR PRINT)	TELEPHONE NUMBER WITH AREA CODE
Justin Adams, Natural Resources Manager	(417) 276-4259
SIGNATURE: Justin M Adams	DATE SIGNED: 9/16/13

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